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ENGLISH ---
N^o 9987



A.D. 1911
DUPLICATE

Date of Application, 25th Apr., 1911

Complete Specification Left, 25th Nov., 1911—Accepted, 25th Apr., 1912

PROVISIONAL SPECIFICATION.

An Improved Combined General Utility Tool.

We, FLORENCIO ESCALADA, of 390 and 394, San Martin, Buenos Aires, in the Republic of Argentina, Engineer, GEORGE CHARLES THOMAS, of 2, Beach Bank Avenue, Liscard, Wallasey, in the County of Chester, Lieutenant R.N.R. Retired, and FREDERICK GEORGE FRASER, of 19, Old Hall Street, Liverpool, in the County of Lancaster, Architect, do hereby declare the nature of this invention to be as follows:—

This invention has reference to combination tools; that is to say, an instrument comprising in it a certain number of parts or tools arranged in such a manner as serve for a number of different purposes; and it has for its object and effect, more particularly to provide a combination instrument or tool especially adapted for the use of farmers, pioneers, in the Army and Navy, the home, and also by virtue of its light weight, by cadets and boy scouts.

In the following description the improved instrument is described. The tool comprises a hatchet, namely, there is a hatchet head and a handle; the latter may be flat rectangular. One side and edge of this handle part or stem is roughened, and constitutes a file.

The head of the hatchet part, fits over, and is secured to the handle; and also projects on the opposite side of it to form a hammer head; and through the cheeks or sides of the hatchet head, there are round holes, which may be of various sizes, used for stretching wire when fencing; or like operations. There is also a square hole through the hatchet head which is used as a spanner or key, and is adapted to fit over a fence bolt when stretching the wire taut.

The bottom of the handle of the axe is splayed out to a flat circular shape; and there is another projection on its further side, in line with the centre of the file or handle, which is shaped as a screw driver.

In connection with the file or handle portion, an extension part is provided, preferably in the form of a flat piece of metal of the same width and depth as the file portion of the instrument, but slightly shorter, which is pivotted to the splayed out portion by a bolt and nut or the like, so that it can be swung into any position in the same plane as the hatchet handle; or, it can be swung behind the latter, when not in use, and when in this position forms part of it.

The outer end of this additional part has a V shaped or analogously formed aperture in it, suitable for drawing out nails or the like; whilst there are also holes through its sides, and slots in its edges, which serve as wire stretchers, and spanners, respectively.

The upper portion of this part is also rounded to the same shape as the lower part of the axe handle to which it is pivotted: the pivot being in the centre of these splayed portions. Slots of suitable shape and size, and having sharp edges are provided in both these portions: so that they may serve as wire cutters: the wire being inserted in the slots, when they are directly above each other; and by swinging the levers in either direction, causes it to be cut.

Together with the many uses of the instrument already explained, there are others such as levers and the like, all of which are extremely useful and opportune in many circumstances under which the users for whom this instrument is

[Price 8d.]

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specially-intended, may find themselves placed; and being of a light and handy form is an additional advantage where it is of the utmost importance that the impedimenta should possess these qualities, together with a maximum efficiency.

Dated this 25th. day of April, 1911.

E. R. ROYSTON & Co.,
Applicants' Patent Agents,
Tower Building, Water Street, Liverpool, and
265, Strand, London, W.C. 5

COMPLETE SPECIFICATION.

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We, FLORENCIO ESCALADA, of 390 & 394, San Martin, Buenos Aires, in the Republic of Argentina, Engineer, GEORGE CHARLES THOMAS, of 2, Beach Bank Avenue, Liscard, Wallasey, in the County of Chester, Lieutenant R.N.R. Retired, and FREDERICK GEORGE FRASER, of 19, Old Hall Street, Liverpool, in the County of Lancaster, Architect, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:— 15

This invention has reference to combination tools, that is to say an instrument comprising a certain number of parts or tools arranged in such a manner as to serve for a number of different purposes and relates especially to that type of combination tool which consists of a hatchet or like head and handle combined with other tools such as a spanner or key formed by a hole in the hatchet head; and it has for its object and effect more particularly to provide an improved combination instrument or tool of this kind especially adapted for the use of farmers, pioneers, in the Army and Navy, the home, and also by virtue of its light weight, by cadets and boy scouts. 20 25

The accompanying drawings, Figs. 1 and 2, show the improved instrument in side and edge view.

The tool comprises a hatchet, namely, there is a hatchet head *a* and a handle *b*, the latter may be flat and rectangular. One side and edge of this handle part or stem is roughened as at *c* and constitutes a file. 30

The head *a* of the hatchet part fits over and is secured to the handle *b* and also projects on the opposite side of it to form a hammer head *d*, and through the cheeks or sides of the hatchet head there are round holes *e, e* which may be of various sizes. These are adapted to be used for stretching wire when fencing, or like operations. There is also a square hole *f* through the hatchet head which is used as a spanner or key and is adapted to fit over a fence bolt when stretching the wire taut. 35

The bottom of the handle of the axe is splayed out to a flat circular shape as at *g*, and there is another projection on its further side in line with the centre of the file or handle, which is shaped as a screw driver *h*. 40

In connection with the file or handle portion, a folding extension part *i* is provided, preferably in the form of a flat piece of metal of the same width and depth as the file portion of the instrument, but slightly shorter, which is pivoted to the splayed out portion by a bolt and nut *j* or the like, so that it can be swung into any position in the same plane as the hatchet handle, or whereby it can be swung behind the latter, when not in use, and when in the folded position forms part of it. 45

The outer end of this extension *i* has a V-shaped or analogously formed aperture *k* in it, suitable for drawing out nails or the like; whilst there are 50

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also holes *e* through the extension *i*, and slots or notches *l* in its edges, which serve as wire stretchers and spanners respectively.

The upper portion of the extension *i* is also rounded to the same shape as the lower part of the axe handle to which it is pivoted, the pivot being in the centre of these splayed portions. Slots *m* of suitable shape and size and having sharp edges are provided in both these portions, so that they may serve as wire cutters; the wire being inserted in the slots, when they are directly above each other, and by swinging the levers in either direction, the wire is cut.

Together with the many uses of the instrument already explained, there are others such as levers and the like, all of which are extremely useful and opportune in many circumstances under which the users for whom this instrument is specially intended may find themselves placed; and being of a light and handy form is an additional advantage where it is of the utmost importance that the impedimenta should possess these qualities, together with a maximum efficiency.

It is to be understood that the details of the tool may be modified or minor parts omitted without detracting from the combination of the main features. For example the screw driver *h* may, if desired, be omitted.

Having now particularly described and ascertained the nature of our said invention, and in what manner the same is to be performed, we declare that what we claim is:—

1. A combination tool of the type referred to having a hatchet head with a hole adapted for use as a spanner and provided also with holes for wire straining, substantially as set forth.
- 25 2. In combination tools as claimed in Claim 1, the combination of a hatchet head, a handle therefor adapted to act as a file and with or without an extension forming a screw driver, and a folding extension to said handle provided with holes, slots and notches for wire straining, spanners and the like, substantially as and for the purposes set forth.
- 30 3. The combination with a tool as claimed in Claim 2 of wire cutters formed by notched discs at the pivoted connection between the handle and the extension, substantially as set forth.
4. The improved combination tool substantially as herein set forth with reference to the accompanying drawings.

35 Dated this 25 day of November, 1911.

MEWBURN, ELLIS & PRYOR,
70 & 72, Chancery Lane, London, W.C.,
Chartered Patent Agents.

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ESCALADA & others' COMPLETE SPECIFICATION.

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[This Drawing is a reproduction of the Original on a reduced scale.]

